ULTRAPAR

UP1000

ENGLISH

User's Manual

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www.behringer.com

BEHRINGER®

JUST LISTEN.

SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of electrical shock, disconnect the spotlight from the mains before cleaning or servicing the unit. No user serviceable parts inside; refer servicing to qualified personnel.

WARNING: To reduce the risk of fire or electrical shock, do not expose the spotlight to rain or moisture.

DETAILED SAFETY INSTRUCTIONS:

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this device near water.

6) Clean only with a dry cloth.

7) Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not mount the spotlight on or near easily flammable surfaces.

9) Do not under any circumstances remove the power plug safety mechanism.

10) Protect the power cord from being walked on or pinched particularly at plugs, extension cords, and the point at which they exit the unit.

11) Only use attachments/accessories specified by the manufacturer.

12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the device. When a cart is used, use caution when moving the cart/device combination to avoid injury from stumbling over it.

13) Unplug this device during lightning storms or when not used for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the device, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.

15) The spotlight has not been designed for outdoor use, and should be used in dry rooms only, with a humidity below 90%. Don't use the spotlight near water (e.g. bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.).

16) Be sure to install a lens and attach the protective mesh before you attempt to operate the spotlight. The locking bracket of the color frame must be locked before the spotlight is switched on.

17) The spotlight must always be mounted and secured using the corresponding retention holes in the mounting bracket. When using a stand or hook clamp, be sure to attach the spotlight with a tightened steel screw (M12), washer and locknut. Additionally, the spotlight must be secured on the truss or stand with a safety steel cable.

18) The spotlight must be mounted at a minimum distance of 2 m from the illuminated object, as the light beam can heat any such object to a temperature of 90°C. Avoid using easily flammable materials in the light beam.

19) The spotlight should be situated so that its location or position does not interfere with its proper ventilation. For example, the spotlight should not be situated on a bed, sofa rug, or similar surface; the same applies to truss-mounted operation: proper ventilation must always be ensured.

ULTRAPAR

Professional Die-Cast PAR Spotlight

- Extremely high luminous efficiency with low power consumption
- Ideally suited for BEHRINGER 575H lamp or compatible models with G9.5 socket (lamp not supplied, available as accessory)
- Ultra-rugged die-cast aluminum casing
- Four glass lenses included: narrow spot, spot and two medium flood
- Highly reflective polished reflector insert
- Color frame accepts standard color foils
- Compact dimensions for easy transport and handling
- Flexible mounting bracket allows precise positioning
- Designed in Germany. Manufactured under ISO9000 certified management system

1. INTRODUCTION

Congratulations! With the BEHRINGER ULTRAPAR UP1000 you purchased a first-class PAR spotlight mounted in a compact, extremely robust and durable casing and featuring a comprehensive range of accessories.

1.1 Before you begin

Your ULTRAPAR was carefully packed in the factory and the packaging is designed to protect the unit from rough handling. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage, which may have occurred during transit.

☞ **If the unit is damaged, please do not return it to BEHRINGER, but notify your dealer and the shipping company immediately, otherwise claims for damage or replacement may not be granted. Shipping claims must be made by the consignee.**

1.2 Mains connection

Prior to the initial operation of the spotlight UP1000, a mains plug must be attached to the power cord. Please use a commercially available shockproof plug with a minimum power rating of 2.5 A (220 / 240 V). The wires of the connecting cable are clearly marked according to their function.

The spotlight can be operated from a power supply of max. 120 V / 5 A or 240 V / 2.5 A AC. The mains frequency should be 50 / 60 Hz.

☞ **Please note that your ULTRAPAR spotlight must be grounded properly. For your own safety, you should not remove or defeat the ground connection of the spotlight or power cord.**

☞ **Make sure that the spotlight will be installed by qualified personnel only.**

2. LAMP

The halogen lamp needed for using the UP1000 is not included with the shipment. To start using your ULTRAPAR spotlight, use the BEHRINGER 575H (575 Watts at 110 V / 230 V) or any other compatible lamp with the G9.5 socket. Make sure that the lamp you use is compatible with local voltage.

☞ **If the lamp is operated with a voltage surpassing its nominal operating voltage, it can be damaged/destroyed or its service life reduced considerably.**

2.1 Disassembling the lamp casing / installing a lamp

Lamps that have been damaged, must be replaced immediately! Please proceed as follows to replace the lamp:

☞ **The lamp gets very hot during operation of the spotlight, so let it cool down sufficiently before you attempt to dismount it!**

▲ Disconnect the spotlight from the mains power supply, and unscrew the thumb screw on the rear of the lamp casing [3] (G 9.5 socket).

▲ Carefully pull out the lamp casing [3] from the rear part of the spotlight.

▲ Carefully take the lamp out of its carton, by holding it at its socket:

☞ **<u>Never</u> touch the glass bulb of the lamp, as this can reduce the lamp's service life considerably. If you touch the glass bulb during installation, wipe it clean with a lint-free cloth damped with ethyl alcohol (spirit).**

▲ Depending on socket type, use the corresponding temperature-resistant rubber adapter provided.

▲ Press the lamp socket (and the rubber adapter) into the holder inside the lamp casing [3] until the lamp is safely mounted in place. The entire bottom side of the lamp socket must be in contact with the casing.

▲ Remount the casing and connect it to the grounding cable [2] coming from the spotlight. Fasten the thumb screw until the casing is safely mounted in place.

▲ Avoid touching the reflector with bare hands. Oily finger marks can bake onto the glass surface and substantially lower optical quality.

3. LENSES

Your ULTRAPAR spotlight is delivered with four glass lenses.

☞ **Never use your ULTRAPAR without the protective mesh in combination with the color frame because it prevents direct contact with the hot lamp surface. It also prevents pieces of broken glass from uncontrollably dispersing in the event of the lens being broken.**

The shape of each lens determines the light beam produced by the spotlight (Tab. 3.1). Also, use the turnable lens ring to optimally adjust the direction of the light beam.

Name	Quality	Properties
Narrow-spot lens	Transparent glass	Round beam (15°)
Spot lens	Grain screen glass	Round, slightly diffuse beam (19°)
Medium flood lens	Glass with few facets	Oblong beam (21° x 34°)
Wide medium flood lens	Glass with many facets	Oblong beam (30° x 51°)

Tab. 3.1: ULTRAPAR lenses and their features

☞ **Defective lenses (scratches, cracks, etc.) must be replaced immediately.**

3.1 Dismounting the lens

☞ **The lens gets very hot during operation of the spotlight, so let it cool down sufficiently before you attempt to dismount it!**

▲ Disconnect the spotlight from the mains and wait until it has cooled down.

▲ Place the spotlight on a flat and stable surface. Never mount or dismount the lens, while the spotlight is fixed to a truss or stand.

▲ Remove the protective mesh [8]: press its two spring shackles, then pull out the mesh.

▲ Directly in front of the lens, you will find a movable metal clamp [4] attached to the lens ring [5]. Turn the lens ring, until the metal clamp is located on the top side of the spotlight (directly below the locking bracket [13]).

▲ Tilt the front side of the spotlight forward by at least 45°.

▲ Push the movable metal clamp upward to dismount and pull out the lens [10].

3.2 Mounting the lens

▲ Tilt the spotlight forward and turn the lens ring [5], until the movable metal clamp [4] is located on the top side of the spotlight (directly below the locking bracket [13]).

▲ Insert the lens with its rounded side towards the rear. The lower edge of the lens must be located behind the projecting elements [6] of the lens ring.

▲ Press the upper edge of the lens slightly towards the rear, until it locks in behind the metal clamp [4].

▲ Installation of the protective mesh [8]: Press the two spring shackles of the protective mesh and place it directly in front of the lens ring [5]. There are two slots in the die-cast casing of your ULTRAPAR for the “feet” of the protective mesh. The two spring shackles must be located directly below the locking bracket [13].

4. COLOR FRAME

The color frame [11] is used to hold color filters. Please observe the following instructions to install the color frame:

▲ Detach the locking bracket [13] on the top side of the spotlight, by pushing it to the side. Then, open the bracket and tilt it towards the rear.

▲ Insert the color frame into the frame holders [9] and [12], i.e. the outer guiding rail (with stops on three sides) on the front side of the ULTRAPAR.

▲ Push the locking bracket [13] to the side and move it down until it locks in.

☞ **Only use color filters with appropriate temperature resistance!**

☞ **Never use your ULTRAPAR without the protective mesh in combination with the color frame because it prevents direct contact with the hot lamp surface. It also prevents pieces of broken glass from uncontrollably dispersing in the event of the lens being broken.**

5. CLEANING THE REFLECTOR

▲ Disconnect the spotlight from the mains and remove the lamp casing as described in chapter 2.1.

▲ Remove the color frame [11] (chapter 4), the protective mesh and lens [10] (chapter 3.1), so that the reflector is easily accessible.

▲ Cleaning the reflector: Use oil-free compressed air or a soft, lint-free cotton cloth. Tenacious stains can be removed by adding some mild soap water, however, don't forget to remove all soap water remnants as well!

▲ Remount the spotlight (see chapters 2.1 and 3.2).

☞ **<u>Never</u> clean the reflector with commercial window cleaners, as the chemical substances contained in these agents can damage the reflector insert!**

☞ **Don't use paper towels or other material with a rough surface to wipe the reflector clean, so as to avoid scratches damaging the reflector surface.**

☞ **Avoid touching the reflector with bare hands. Oily finger marks can bake onto the glass surface and substantially lower optical quality.**

6. SUSPENDED INSTALLATION

Use the mounting bracket [1] to attach your spotlight to a stand or truss. Always use M12 steel screws to fasten the spotlight. Your UP1000 must be secured with an additional safety steel cable [7]. Use the steel cable fixed to the spotlight casing (eyelet [15]).

Once the spotlight has been adjusted, it must be secured in place with the locking screw [14].

7. SPECIFICATIONS

Power	575 W max. (120 V / 240 V)
Max. room temperature	T_a = 45°C
Max. temperature of exterior surfaces	T_{max} = 175°C
Dimensions (Height x Diameter)	approx. 11 3/4" (300 mm) x 9 1/4" (237 mm)
Weight	approx. 3.8 kg

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without further notice. Specifications and appearance may differ from those listed or shown.

8. WARRANTY

§ 1 WARRANTY CARD/ONLINE REGISTRATION

To be protected by the extended warranty, the buyer must complete and return the enclosed warranty card within 14 days of the date of purchase to BEHRINGER Spezielle Studiotechnik GmbH, in accordance with the conditions stipulated in § 3. Failure to return the card in due time (date as per postmark) will void any extended warranty claims. Based on the conditions herein, the buyer may also choose to use the online registration option via the Internet (www.behringer.com or www.behringer.de).

§ 2 WARRANTY

1. BEHRINGER (BEHRINGER Spezielle Studiotechnik GmbH including all BEHRINGER subsidiaries listed on the enclosed page, except BEHRINGER Japan) warrants the mechanical and electronic components of this product to be free of defects in material and workmanship for a period of one (1) year* from the original date of purchase, in accordance with the warranty regulations described below. If the product shows any defects within the specified warranty period that are not excluded from this warranty as described under § 3 and 4, BEHRINGER shall, at its discretion, either replace or repair the product using suitable new or reconditioned parts. In the case that other parts are used which constitute an improvement, BEHRINGER may, at its discretion, charge the customer for the additional cost of these parts.

2. If the warranty claim proves to be justified, the product will be returned to the user freight prepaid.

3. Warranty claims other than those indicated above are expressly excluded.

§ 3 RETURN AUTHORIZATION NUMBER

1. To obtain warranty service, the buyer (or his authorized dealer) must call BEHRINGER (see enclosed list) during normal business hours **BEFORE** returning the product. All inquiries must be accompanied by a description of the problem. BEHRINGER will then issue a return authorization number.

2. Subsequently, the product must be returned in its original shipping carton, together with the return authorization number to the address indicated by BEHRINGER.

3. Shipments without freight prepaid will not be accepted.

§ 4 WARRANTY REGULATIONS

1. Warranty services will be furnished only if the product is accompanied by a copy of the original retail dealer's invoice. Any product deemed eligible for repair or replacement by BEHRINGER under the terms of this warranty will be repaired or replaced within 30 days of receipt of the product at BEHRINGER.

2. If the product needs to be modified or adapted in order to comply with applicable technical or safety standards on a national or local level, in any country which is not the country for which the product was originally developed and manufactured, this modification/adaptation shall not be considered a defect in materials or workmanship. The warranty does not cover any such modification/adaptation, irrespective of whether it was carried out properly or not. Under the terms of this warranty, BEHRINGER shall not be held responsible for any cost resulting from such a modification/adaptation.

3. Free inspections and maintenance/repair work are expressly excluded from this warranty, in particular, if caused by improper handling of the product by the user. This also applies to defects caused by normal wear and tear, in particular, of faders, potentiometers, keys/buttons and similar parts.

4. Damages/defects caused by the following conditions are not covered by this warranty:

- ▲ improper handling, neglect or failure to operate the unit in compliance with the instructions given in BEHRINGER user or service manuals.
- ▲ connection or operation of the unit in any way that does not comply with the technical or safety regulations applicable in the country where the product is used.
- ▲ damages/defects caused by force majeure or any other condition that is beyond the control of BEHRINGER.

5. Any repair or opening of the unit carried out by unauthorized personnel (user included) will void the warranty.

6. If an inspection of the product by BEHRINGER shows that the defect in question is not covered by the warranty, the inspection costs are payable by the customer.

7. Products which do not meet the terms of this warranty will be repaired exclusively at the buyer's expense. BEHRINGER will inform the buyer of any such circumstance. If the buyer fails to submit a written repair order within 6 weeks after notification, BEHRINGER will return the unit C.O.D. with a separate invoice for freight and packing. Such costs will also be invoiced separately when the buyer has sent in a written repair order.

§ 5 WARRANTY TRANSFERABILITY

This warranty is extended exclusively to the original buyer (customer of retail dealer) and is not transferable to anyone who may subsequently purchase this product. No other person (retail dealer, etc.) shall be entitled to give any warranty promise on behalf of BEHRINGER.

§ 6 CLAIM FOR DAMAGES

Failure of BEHRINGER to provide proper warranty service shall not entitle the buyer to claim (consequential) damages. In no event shall the liability of BEHRINGER exceed the invoiced value of the product.

§ 7 OTHER WARRANTY RIGHTS AND NATIONAL LAW

1. This warranty does not exclude or limit the buyer's statutory rights provided by national law, in particular, any such rights against the seller that arise from a legally effective purchase contract.

2. The warranty regulations mentioned herein are applicable unless they constitute an infringement of national warranty law.

* Customers in the European Union please contact BEHRINGER Germany Support for further details.

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